

M12 male 0° A-cod. with cable shielded

PUR 3x0.34 shielded bk UL/CSA+drag ch. 5m

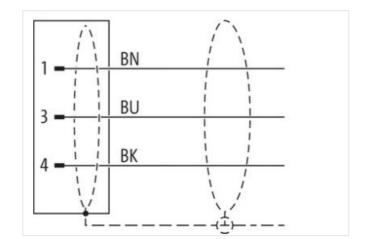
Male straight M12, 3-pole shielded Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

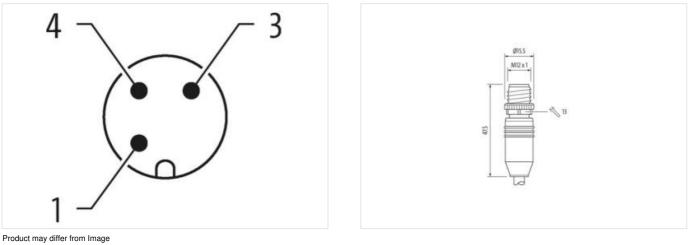
Link to Product

Illustration











Side 1			
Tightening torque	0,6 Nm		

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Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Coating contact	gold plated
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879654678
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	no
Installation Connection	
Stripping length (jacket)	20 mm
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting

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Mounting method	inserted, screwed, Shaking protection		
Environmental characteristics Climatic			
Operating temperature min.	-25 °C		
Operating temperature max.	85 °C		
Additional condition temperature range	depending on cable quality		
Important installation notes			
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.		
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.		
Conformity			
Product standard	DIN EN 61076-2-101 (M12)		
Installation Cable			
Cable identification	640		
Cable Type	3		
Jacket Color	black		
Type of Certificate	cURus		
Amount stranding	1		
Stranding	3 wires twisted		
Cable shielding (type)	copper braid, tinned		
Cable shielding (coverage)	80 %		
Banding	Fleece, Foil		
wire arrangement	brown, black, blue		
Cable weigth	44 g/m		
Material jacket	PUR		
Shore hardness jacket	90 ± 5 Shore A		
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free		
Outer-diameter (jacket)	5 mm		
Tolerance outer diameter (sheath)	±5%		
Material wire insulation	PP		
Amount wires	3		
Outer diameter insulation	1,25 mm		
Outer diameter tolerance core insulation	±5%		
Shore hardness wire insulation	70 ± 5 Shore D		
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free		
Amount strands (wire)	42		
Diameter of single wires	0,1 mm		
Conductor crosssection (wire)	0,34 mm ²		
Material conductor wire	Stranded copper wire, bare		
Conductor type (wire)	strand class 6		
Traversing distance (C-track)	5 m @ 25 °C horizontal		
Nominal voltage AC max.	300 V		
Current load capacity (standard)	to DIN VDE 0298-4		
Current load capacity min. wire	6 A		
Electrical resistance line constant wire	57 Ω/km @ 20 °C		
AC withstand voltage (wire - wire)	2 kV @ 60 s		
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s		
AC withstand voltage (wire - shield)	2 kV @ 60 s		
Min. operating temperature (static)	-40 °C		
Max. operating temperature (static)	-40 °C / 90 °C @ 10000 h Operation		
	25 °C		
Operating temperature min. (dynamic) Operating temperature max. (dynamic)	-25 °C 80 °C / 90 °C @ 10000 h Operation		

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Flame resistance	UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2		
chemical resistance	Good, application-related testing		
Gasoline resistance	Good, application-related testing		
Oil resistance	Good, application-related testing DIN EN 60811-404		
Bending radius (fixed)	5 x Outer diameter		
Bending radius (dynamic)	10 x Outer diameter		
Travel speed (C-track)	5 Mio. @ 25 °C		
No. of torsion cycles	2 Mio.		
Torsion stress	± 30 °/m		
Torsion speed	35 cycles/min		

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